DSG-NPS R&D Meeting Minutes

Date: November 24, 2020
Time: 11:00AM – 12:00 PM

Attendees: *Mary Ann Antonioli, Aaron Brown, Pablo Campero, George Jacobs, Mindy Leffel, Tyler Lemon, Marc McMullen, and Amrit Yegneswaran*

1. CSS screen development status
    1.1. Mary Ann Antonioli completed 468 of 1080 PMT Settings blocks on main NPS screen
        1.1.1. Aaron Brown will develop a script to assign PVS programmatically to macros and widgets
    1.2. Aaron Brown attached PMT Status pop-up screens to 35 of 1080 LEDs on the *NPS CAEN Overview* screen

2. CAEN testing and data analysis
    2.1. Bogdan Wojtsekhowski dropped off RG59 cables to be used with additional SHV load box; George Jacobs will take them home and Marc McMullen will pick them up from there
    2.2. George Jacobs completed ramp testing of 24 of 34 modules using the new Python program; no issues noticed
    2.3. Mary Ann Antonioli plotted trip test data of 10 of 34 modules
    2.4. Developing Python analysis package for ramp test data analysis, which will generate plots for all 36 channels in a single plot, as well as plots for individual channels

3. Hardware Interlock System development
    3.1. Aaron Brown sent list of requested items for Hardware Interlock System development to Brad Sawatzky; awaiting reply
    3.2. Aaron Brown will develop a three-dimensional model of detector using NX12 to aide in development of Hardware Interlock System

4. Cable fabrication
    4.1. Mindy Leffel has fabricated 1000 of 1100 HV divider cables
    4.2. GWP multi-conductor cables have arrived in Shipping/Receiving; still waiting for Radiall 52-pin connectors